

Media Kit



Contact Information

Tisha Bacigalupi
Sponsor Relations Manager
tbacigalupi@iisime.org
408-553-2239

See inside pages for 2009 Projects
from these IISME Sponsors:

	# of Teachers
Adobe Systems	1
Applied Materials, Inc.	9
California Water Service Company	1
Cisco Systems, Inc.	2
Coherent, Inc.	1
Google, Inc.	2
IBM	5
Intel Corporation	9
Lawrence Berkeley National Laboratory	7
Life Technologies	4
Lockheed Martin Space Systems Company	25
Lucile Packard Children's Hospital	1
MiaSolé	1
Northrop Grumman Marine Systems	1
Openwave	1
Santa Clara University	1
Silicon Valley Leadership Group	1
Space Systems/Loral	1
SRI International	4
Stanford University	21
SVB Financial Group	2
Synopsys, Inc.	12
UC Berkeley	3
UC San Francisco	1

IISME Summer Fellowship Program

Industry Initiatives for Science and Math Education (IISME) was founded in 1985 by a consortium of San Francisco Bay Area companies in partnership with the Lawrence Hall of Science at the University of California at Berkeley. IISME exists to address the critical need for a strong, highly-skilled workforce in the STEM fields (Science, Technology, Engineering, and Math). This industry-education partnership focuses on teachers as the primary agents for effecting meaningful change in our schools.

IISME Fellowships provide K-16 teachers with unique, meaningful professional development by exposing them to today's industry and research environments.

IISME Fellowships have a positive impact on teacher retention, teacher leadership, National Board Certification rates, and teacher performance in the classroom. IISME Fellowships provide exposure to the practical applications of the subjects they teach allowing teachers to incorporate more relevance into their curriculum.

Through the Summer Fellowship Program, IISME also provides companies and universities with skilled, cost-effective professional summer employees. Sponsors experience a direct way to reach their future workforce through one-to-one contact with teachers. IISME has awarded 2,673 Fellowships to teachers from 613 schools in the Bay Area, impacting approximately 2 million students. This summer, twenty-seven Sponsors are hosting 120 teachers, including 28% from high need schools. Overall, forty organizations are supporting the 2009 Summer Fellowship Program.



IISME's 25th Anniversary!

Industry Initiatives for Science and Math Education (IISME)
5301 Stevens Creek Blvd.
PO Box 58059: MS WO
Santa Clara, CA 95052-8059
Phone: 408-553-2239 Fax: 408-553-2889
www.iisime.org

2009 Fellowship Projects



Adobe Systems - Adobe Youth Voices Resources Developer

The Fellow is helping develop training materials and assisting in professional development. The training focuses on youth media theory and practice that promotes personal and social change and incorporates technical skills in the use of Adobe software and the production of youth media.



APPLIED MATERIALS®

Applied Materials - Lead Web Developer

The Fellow is developing an online information sharing website to provide global access to data from the Factory Automation Software in use in the Solar SunFabs and the FRACAS on-line CLCA system.



California Water Service Company - Environmental Assistant

The Fellow is working closely with a Project Manager in the areas of company-wide environmental compliance. In particular he is working on the Environmental Management System elements that the company will implement at the end of the year.



Cisco Systems - Core Routing Business Unit/Operations

The Fellow is contributing to key initiatives for greater efficiency of the budget in the business operations team. He will be creating key metrics for the business unit in various functions which can be measured, tracked, and reported on a regular basis for the business unit.



Coherent, Inc. - Applications Engineering

The Fellow is reviewing, collecting, and collating the historical work into categories to generate meaningful predictive data for our sales and marketing to use on laser processing of materials.



Google, Inc. - Curriculum Specialist

The Fellow is helping develop and test curriculum-based applications.



IBM - Product Marketing Specialist

The Fellow is helping to bring a new or existing product to market by identifying sales opportunities. She is providing the sales force with new and compelling sales materials.



Intel Corporation - Curriculum and Deployment Specialist

The Fellow is developing a training curricula for the newest classmate PC. This will be an extension of the current training manual.

Industry Initiatives for Science and Math Education

2009 Fellowship Projects

Lawrence Berkeley National Laboratory - Acceleration & Fusion Research Fellow

The Fellow will participate in the research for the development of diagnostics for ion beams and target physics, particle-beam physics and ion accelerator operation.



Life Technologies - Research Scientist

The Fellow is setting up SNP panels for bacterial identification to help develop a solution for accurate typing and identification of bacterial samples. He is isolating DNA from samples, conducting PCR amplification and oligonucleotide ligation assays to amplify and detect SNPs.



Lockheed Martin Space Systems Company - System Operations Support Engineer

The Fellow is assigned to the team that is responsible for testing the satellites once they are launched into orbit. Specifically, he is translating commands for the satellite into actual code to be used during on-orbit system test.



Lucile Packard Children's Hospital - Website Developer

The Fellow is helping the Center for Nursing Excellence create, develop and launch a new website.



MiaSolé - Environment Safety & Health/HR Support

The Fellow is providing administrative and website support to the Corporate EH&S Manager. He is assisting in implementation of a new corporate-wide learning management system.



Northrop Grumman Marine Systems - Training Assessment Coordinator

The Fellow is assessing the current workforce's computer capabilities, then working with Northrop Grumman staff to determine an overall training plan/schedule to meet the identified needs in preparation for the new software system.



Openwave - Software License Coordinator

The Fellow is working with the IT Managers to develop the work flow to document and track software which Openwave utilizes internally to develop and test its product set.



Santa Clara University - Solar Decathlon Project

The Fellow is helping with the SCU 2009 Solar Decathlon Project. Activities include: solar thermal analysis, phase change material implemented for energy storage, environmental sensing and control systems analysis and design, "green" building material options.



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IISME's 25th Anniversary!



Space Systems/Loral - Associate Programmer

The Fellow is working with a team to define and implement a new process for monitoring the acquisition of payload hardware.

SRI International - Research Associate

The Fellow is working on variety of curriculum development and evaluation projects, primarily in the area of middle school math, with some work related to middle school science.



Stanford University - Gratta Research Fellow

The Fellow is contributing to the R&D required to build the next generation of detectors to measure neutrino masses.

SVB Financial Group - Training Materials Fellow

The Fellow is contributing to the development of end user training materials for the corporate portal for general users, contributors and designers in a variety of mixed media formats.



Silicon Valley Leadership Group - Policy Marketing and Grants Coordinator

The Fellow is reviewing the policy and program work of the organization and developing marketing strategies and collateral for internal and external purposes.

Synopsys, Inc. - IT Architect Support Fellow

The Fellow is working alongside a senior IT Architect to plan, document test and rehearse a major software upgrade of our Identity Management infrastructure.



UC Berkeley & UC San Francisco - iGEM Fellow

At each location a Fellow is participating as an integral member of the iGEM team and will be trained in core concepts and techniques in synthetic biology based on the iGEM model of hands-on learning.



University of California
San Francisco

IISME is proud to partner with the Silicon Valley Leadership Group.



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